CLAIMS

1. A splice structure of a superconducting cable comprising:

a joint box housing an end of a superconducting cable having a superconducting conductor,

a coolant filled in the joint box so as to cool the end, and

a pressure-adjusting part provided in the joint box and capable of adjusting the pressure by changing its shape according to a change of pressure in the joint box.

2. A splice structure of a superconducting cable according to claim 1, wherein the pressure-adjusting part includes:

a casing capable of expanding or shrinking according to a change in the pressure and

a gas included in the casing, the gas not becoming a liquid state at the temperature of the coolant in the joint box.

3. A splice structure of a superconducting cable according to claim 2, wherein the casing is arranged in the joint box such that the expanding/shrinking direction of the casing is equivalent to the longitudinal direction of the superconducting cable.

4. A splice structure of a superconducting cable according to claim 2, wherein the casing is arranged in the joint box such that the expanding/shrinking

direction of the casing is equivalent to the longitudinal direction of the superconducting cable.

5. A superconducting cable line comprising the splice structure of a superconducting cable according to any one of claims 1 to 4.